

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 November 2004 (18.11.2004)

PCT

(10) International Publication Number  
WO 2004/099257 A1

(51) International Patent Classification<sup>7</sup>: C08B 37/00, (74) Agent: BERGGREN OY AB; P.O. Box 16, (Jaakonkatu  
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(21) International Application Number:  
PCT/FI2004/000274

(22) International Filing Date: 6 May 2004 (06.05.2004)

(25) Filing Language: Finnish

(26) Publication Language: English

(30) Priority Data:  
20030683 7 May 2003 (07.05.2003) FI

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: METHOD FOR THE TREATMENT OF VEGETABLE MATERIAL, PRODUCT OBTAINED BY THE METHOD AND USE OF THE PRODUCT

(57) Abstract: The invention relates to a method for improving the solubility of non-starch polysaccharides of a vegetable material. The products prepared by the method and the use of the products are also included in the scope of the invention. The method comprises crushing of the material by mechanical energy to form particles, with at least a major portion of the cells containing non-starch polysaccharides in the material being damaged. Preferably, the non-starch polysaccharides end up in particles as produced by crushing to form particles smaller than that of the initial cell containing these polysaccharides in the material. Disruption of the cells allows effective interaction between the dissolving medium and the polysaccharides to be dissolved, appearing as increased solubility. The material crushing can be performed under the joint effect of pressure, heat and shearing forces. Preferred embodiments include extrusion, expansion and homogenisation under pressure, preferred materials for these treatments comprising oat, rye and fractions of these. The solubility and dissolution circumstances of the product of the invention can be adjusted by mixing the material to be crushed with an ingredient rich in amylopectin.